

Converting Colors

CIELCh(63, 72.966, 318.427)

Have a look what the booklet for
CIELCh(63, 72.966, 318.427)
contains.

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Color

CIELCh(63, 72.598, 318.609)

Conversions

Conversions Part 1

Format	Color
Hex	CD74EF
RGB	205, 116, 239
RGB Percent	80%, 45%, 94%
CMY	0.1972, 0.5461, 0.0638
CMYK	0.14, 0.52, 0.00, 0.06
HSL	283°, 79%, 70%
HSV	283°, 52%, 94%
XYZ	46.8552, 31.5869, 85.0741
YIQ	156.6330, 13.5610, 57.1210

Conversions

Conversions Part 2

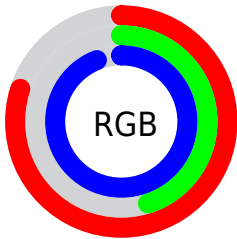
Format	Color
R _Y B	205, 116, 239
Decimal	13464815
CIE Lab	63.00, 54.46, -48.00
CIE LCh	63, 72.598, 318.609
Yxy	31.5869, 0.2865, 0.1932
Android (android.graphics.Color)	4291654895 (0xFFCD74EF)
YUV	156.6330, 40.6069, 42.4179
Hunter-Lab	56.2022, 50.4597, -50.4065

Details

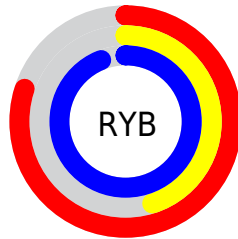
The CIELCh color $63, 72.598, 318.609$ is a light color, and the websafe version is hex `CC66CC`. A complement of this color would be $87, 70.259, 133.752$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 52.494, 326.235$, and $43, 72.266, 318.634$ is the 20% darker color. If you saturate the color by 10%, you get $58, 85.336, 318.871$, and if you desaturate by 10%, it is $69, 58.862, 318.250$.

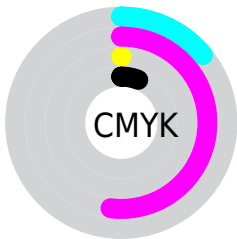
Distribution



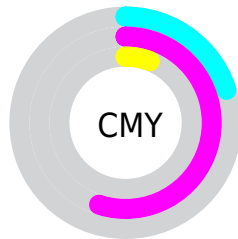
- Red (80%)
- Green (45%)
- Blue (94%)



- Red (80%)
- Yellow (45%)
- Blue (94%)



- Cyan (14%)
- Magenta (52%)
- Yellow (0%)
- Black (6%)



- Cyan (20%)
- Magenta (55%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 72.598, 318.609 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 63, 72.598, 318.609 by changing the saturation by 10% instead.

 63, 72.598,
318.609


 63, 72.598,
318.609


 100, 72.598,
318.609

 53, 72.598,
318.609

 83, 72.598,
318.609

 43, 72.598,
318.609

 93, 72.598,
318.609

 33, 72.598,
318.609

 23, 72.598,
318.609

 13, 72.598,
318.609

 3, 72.598, 318.609

 0, 72.598, 318.609

63, 72.598,
318.609

63, 72.598,
318.609

58, 85.336,
318.871

69, 58.862,
318.250

53, 96.418,
318.980

74, 44.647,
317.835

50, 105.112,
318.875

81, 30.307,
317.395

47, 110.829,
318.497

87, 16.077,
316.950

46, 113.522,
317.973

93, 2.099, 316.436

99, 9.122, 134.076

99, 8.385, 119.534

100, 8.239,
109.552

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



63, 72.598, 318.609



87, 70.259, 133.752

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 72.598, 318.609



63, 72.598, 8.609



63, 72.598, 138.609



63, 72.598, 188.609

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



63, 72.596, 318.609



90, 22.170, 317.108



63, 49.611, 284.278



46, 15.154, 317.202



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63, 72.596, 318.609



61, 90.593, 318.884



66, 65.397, 334.680



47, 7.944, 316.859



35, 93.164, 318.122



7, 40.103, 319.248

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



64, 50.867, 4.839



63, 64.014, 7.552



86, 65.562, 146.358



47, 5.324, 358.461



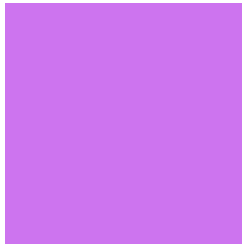
39, 69.324, 23.177



8, 28.816, 11.676

Previews

White Background



This preview shows how the CIELCh color 63, 72.598, 318.609 looks on a white background.

Color Contrast Check

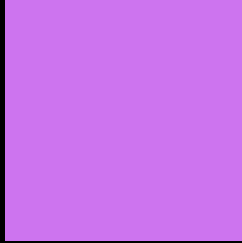
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 63, 72.598, 318.609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

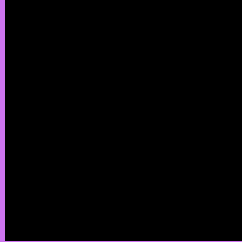
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 72.598, 318.609

Background



This preview shows how black text looks on a background with the CIELCh color 63, 72.598, 318.609.

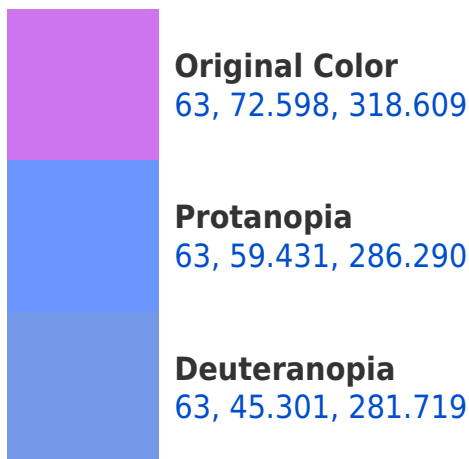


This preview shows how white text looks on a background with the CIELCh color 63, 72.598, 318.609.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
63, 21.940, 5.679

Trichromacy



Original Color
63, 72.598, 318.609



Protanomaly
62, 62.759, 298.015



Deuteranomaly
62, 53.388, 298.468



Tritanomaly
63, 37.515, 333.152

Monochromacy



Original Color
63, 72.598, 318.609



Achromatopsia
64, 0.008, 296.813



Achromatomaly
63, 27.936, 317.805

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 72.598, 318.609 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(205, 116, 239)` looks like.

```
.text, #text, p{  
    color:rgb(205, 116, 239)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(205, 116, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 116, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 72.598, 318.609 is called "border". The border property can be set on classes, ids or directly on the HTML element.

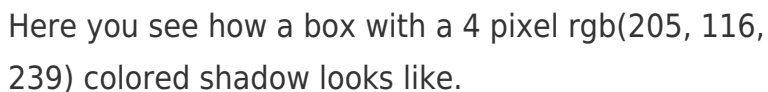
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 116, 239) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(205, 116, 239) }
```

If you want to add a box shadow in that color use:



Here you see how a box with a 4 pixel `rgb(205, 116, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 116, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 116, 239); box-shadow:4px 4px 4px 4px rgb(205, 116, 239) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 72.598, 318.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 116, 239) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(205,  
116, 239) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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